

SUBJECT: First Priority Requirement - 1:100,000 Topographic Maps of the USSR.

REF : a) Memorandum from Chief, Geographic Research Area, ORR, to Chief, FI, dated 26 March 1958. Subject: Guidance for Collection of Post-World War II Soviet Topographic Maps. (SECRET)
b) IPC List USSR 1 May 1956 (TS)
c) ORR Contribution to IPC List-USSR dated 20 February 1958.

I. STATEMENT OF PRIORITY

A first priority requirement exists for complete topographic coverage of the USSR at a 1:100,000 scale. These maps have been produced by the Soviets since 1945, and are based on Krassovskiy ellipsoid, Pulkova 1942 horizontal datum, and Kronstadt vertical datum.

COMMENT: This scale, with date and technical limitations, was selected over other scales and geodetic data by a joint CIA, Army, Navy and Air agreement.

II. JUSTIFICATION

The acquisition of these maps will fill a basic intelligence gap on the USSR. They will:

- a. Provide for accurate positioning of targets in the USSR for use in guided missile delivery and strategic and tactical bombing.
- b. Provide essential data for use in missile guidance systems, e.g., compilation of radar return information for use in systems such as ATRAN/ERTIAL (combination of Automatic Terrain Recognition and Navigation and inertial guidance).
- c. Provide data essential to the location and surveillance of missile launching sites, and other high priority location, analytic and surveillance requirements.
- d. Provide a basis for control and identification of aerial photographs in the event of aerial reconnaissance of the USSR.
- e. Provide the only complete and recent topographic coverage of the USSR useful for the purposes described above.

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III. TARGETS

1. The Main Administration of Geodesy and Cartography (Glavnoye Upravleniye Geodezii i Kartografii) functions under the Ministry of Internal Affairs (MVD). Subordinate organizations - Cartographic Plants (Kartograficheskiye Fabriki) and Aerial Geodetic Establishments (Aero-geodezicheskoye Predpriyatiye) - are responsible for the preparation of topographic maps.
2. The Military Topographic Administration (Voyenno-topograficheskoye Upravleniye - VTU) functions under the 7th Department of the General Staff. The Military Topographic Service (Voyenno-topograficheskaya Sluzhba - VTS) is a basic subdivision of the VTU, and is directly responsible for geodetic and topographic map production in areas assigned to the military.

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